

INFORMATION DISCLOSURE STATEMENT

ATTORNEY DOCKET NO.: ASC-022CPC1

APPLICANT(S): Wu et al.

SERIAL NO.: 10/603,852

- 1				FILING DATE	: June 25, 20	003	GROUP: 2811
			U.S. F	PATENT DOCUMENTS	:		
EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
ex	A1	4,010,045	03/01/1977	Ruehrwein			
	A2	5,013,681	05/07/1991	Godbey et al.			
	A3	5,166,084	11/24/1992	Pfiester		,	
	A4	5,202,284	04/13/1993	Kamins et al.			
	A5	5,207,864	05/04/1993	Bhat et al.			
	A6	5,208,182	05/04/1993	Narayan et al.			
	A7	5,212,110	05/18/1993	Pfiester et al.			,
	A8	5,221,413	06/22/1993	Brasen et al.			
. ,	A9	5,285,086	02/08/1994	Fitzgerald			
Ĭ.,	A10	5,310,451	05/10/1994	Tejwani et al.		X-	
	A11	5,346,848	09/13/1994	Grupen-Shemansky et al.			
	A12	5,374,564	12/20/1994	Bruel			
	A13	5,413,679	05/09/1995	Godbey			
	A14	5,442,205	08/15/1995	Brasen et al.			
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	A18 -	5,484,664	01/16/1996	Kitahara et al.			
	A19	5,523,592	06/04/1996	Nakagawa et al.			
	A20	5,534,713	07/09/1996	Ismail et al.			
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JO]	A24	5,728,623	03/17/1998	Mori		1	
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DIC	A25	5,759,898	06/02/1998	. Ek et al.				
	A26	5,792,679	08/11/1998	Nakato		-		
	A27	5,877,070	03/02/1999	Goesele et al.				
	A28	5,891,769	04/06/1999	Liaw et al.		-		
	A29	5,906,708	05/25/1999	Robinson et al.				
	A30	5,906,951	05/25/1999	Chu et al.				
	A31	5,943,560	08/24/1999	Chang et al.		• 0		
	A32	5,966,622	10/12/1999	Levine et al.				
	A33	5,998,807	12/07/1999	Lustig et al.			11	
	A34	6,033,974	03/07/2000	Henley et al.				
	A35	6,033,995	03/07/2000	Muller				
	A36	6,059,895	05/09/2000	Chu et al.				
	A37	6,074,919	06/13/2000	Gardner et al.				
	A38	6,096,590	08/01/2000	Chan et al.				
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	A40	6,107,653	08/22/2000	Fitzgerald				
	A41	6,111,267	08/29/2000	Fischer et al.				
	A42	6,117,750	09/12/2000	Bensahel et al.				
	A43	6,153,495	11/28/2000	Kub et al.				
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	A46	6,184,111 B1	02/06/2001	Henley et al.				
	A47	6,191,007 B1	02/20/2001	Matsui et al.	7			
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2169	A49	6,194,722 B1	02/27/2001	Howe et al.				
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			U.S.	PATENT	DOCUM	ENTS		,	
EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME			CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
OVO.	A50	6,207,977	03/27/20	01 Augus	to				
	A51	6,210,988 B1	04/ <u>03/</u> 20	01 Howe	et al.				
	A52	6,218,677 B1	04/17/200	01 Broeka	ert				
	A53	6,232,138 B1	05/15/200	01 Fitzger	ald et al.				
	A54	6,235,567 B1	05/22/200	01 Huang			,		
	A55	6,251,755 B1	06/26/200)1 Furuka	wa et al.				
	A56	6,261,929 B1	07/17/200)1 Gehrke	et al.				
	A57	6,291,321 B1	09/18/200	1 Fitzger	ald				
	A58	6,313,016 B1	11/06/200	1 Kibbel	et al.				
	A59	6,323,108 B1	11/27/200	1 Kub et	al.				
	A60	6,335,546 B1	01/01/200	2 Tsuda e	et al.				
	A61	6,350,993 B1	02/26/200	2 Chu et	al.			*	
	A62	6,368,733 B1	04/09/200	2 Nishina	ga				
	A63	6,372,356 B1	04/16/200	2 Thornto	n et al.				
	A65	6,573,126	06/03/200	3 Cheng	et al.				
	A66	6,583,015	06/24/200	3 Fitzgera	ld et al.				
	A67	2001/0003269 A1	06/14/200	1 Wueta	1.				
	A68	2002/0125497	09/12/2002	2 Fitzgera	ld	,			· · · · · · · · · · · · · · · · · · ·
010	A69	2003/0013323	01/16/2003	3 Hammo	nd et al.				
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NO	B1	0 587 520	03/16/1994	EP				No	Yes
2kg		0 683 522 A2	11/22/1995	EP				No	Yes
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EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG (Y/N)
DW	B 3	0 828 296	03/11/1998 .,	EP				No	Yes
040) B4	2000-31491	01/28/2000 ,	JP			1	No	Yes
210	B5	WO 98/59365	12/30/1998	PCT		·		No	Yes
010	B6	WO 99/53539	10/21/1999	PCT		c		No	Yes
010	B7	WO 00/48239	08/17/2000 .	PCT				No .	Yes
040	B8	WO 01/99169	12/27/2001	PCT			٠,	No	Yes
	•		OTHER ART	, JOURNA	L ARTIC	LES, ET	C.		
EXAM. INIT.	ОТН	ER DOCUMENT	S: (Including A	uthor, Title,	Date, Rele	vant Page	s, Place	of Publication)
My	C1	Massachuset	echnology for Sits Institute of Teo 999, pp. 1-154.	Ge Heterostr chnology Dep	ucture-Base partment of	ed CMOS Electrical I	Devices," Engineerir	Thesis Submiting and Comput	ted to the ter Science
Obo	C2 .	Barradas et a content SiGe	I., "RBS analysis channels for HM	of MBE-grov OS transistor	vn SiGe/(00 s," <u>Modern</u>	1) Si hete Physics L	rostructure etters B. (es with thin, hig 2001), abstrac	gh Ge t.
Org	C3							Systems	
Olg	C4	Bruel et al., "@ IEEE Internati	SMART CUT: A onal SOI Confere	Promising Nence (Octobe	ew SOI Mat r 1995), pp	terial Tech . 178-179.	nology," <u>P</u>	Proceedings of	the 1995
010	C5	Bruel, "Silicon pp. 1201-1202	on Insulator Mat	erial Technol	ogy," Electi	ronic Lette	<u>rs,</u> Vol. 13	3, No. 14 (July	6, 1995),
210	C6 .	Brunner et al., thin silicon-on-	"Molecular beam insulator substra	epitaxy grovites," <u>Thin So</u>	wth and the lid Films, V	rmal stabil ol. 321 (19	lity of Si _{1-x} 998), pp. 2	Ge _x layers on e 245-250.	extremely
Oho	C7	Chang et al., " No. 1 (January	Selective Etching 1991), pp. 202-2	of SiGe/Si H 204.	leterostruct	ures," <u>Jou</u>	rnal of the	Electrochemic	cal Society,
240	C8	Chen et al., "Ti	he Band Model a mical Society, Vo	nd the Etchir ol. 142, No. 1	g Mechani (January 1	sm of Silic 995), pp.	on in Aque 170-176.	eous KOH," <u>Jo</u>	urnal of
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			OTHER ART, JOURN					
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RI	v O	C9	Cheng et al., "Electron Mobility Enhancen Insulator (SGOI) Substrates," IEEE Electron	nent in Strained-Si n-MOSFETs Fabricated on SiGe-on- on Device Letters, Vol. 22, No. 7 (July 2001), pp. 321-323.				
		C10	Cheng et al., "Relaxed Silicon-Germanium Electronic Materials, Vol. 30, No. 12 (200	n on Insulator Substrate by Layer Transfer," <u>Journal of</u> 1), pp. L37-L39.				
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		C13	Fitzgerald et al., "Relaxed GexSi1-x structures for III-V integration with Si and high mobility two-dimensional electron gases in Si," <u>Journal of Vacuum Science and Technology B</u> , Vol. 10, No. 4 (July/August 1992), pp. 1807-1819.					
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		C17	Hackbarth et al., "Alternatives to thick MBE-grown relaxed SiGe buffers," Thin Solid Films, Vol. 369, No. 1-2 (July 2000), pp. 148-151.					
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u		C19	Ishikawa et al., "Creation of Si-Ge-based SIMOX structures by low energy oxygen implantation," <u>Proceedings of the 1997 IEEE International SOI Conference</u> (October 1997), pp. 16-17.					
		C20	Ishikawa et al., "SiGe-on-insulator substrate using SiGe alloy grown Si(001)," Applied Physics Letters, Vol. 75, No. 7 (August 16, 1999), pp. 983-985.					
		C21	Ismail, "Si/SiGe High-Speed Field-Effect Tra December 10, 1995.	ansistors," Electron Devices Meeting, Washington D.C.,				
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	C27	Mazara, "Silicon-On-Insulator by Wafer Bonding: A Review," <u>Journal of the Electrochemical Society</u> No. 1 (January 1991), pp. 341-347.
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	C29	Narozny et al., "Si/SiGe Heterojunction Bipolar Transistor with Graded GAP SiGe Base Made by Molecular Beam Epitaxy," <u>IEEE IEDM</u> (1988), pp. 562-565.
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	C32	Sadek et al., "Design of Si/SiGe Heterojunction Complementary Metal-Oxide-Semiconductor Transistors," <u>IEEE Trans. Electron Devices</u> , Vol. 43, No. 8 (August 1996), pp. 1224-1232.
	C33	Seidel et al., "Anisotropic Etching of Crystalline Silicon in Alkaline Solutions," <u>Journal of the Electrochemical Society.</u> , Vol. 137, No. 11 (November 1990), pp. 3626-3632.
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FORM PTO - 1449 ATTORNEY DOCKET NO.: ASC-022CPC1 SUPPLEMENTAL INFORMATION APPLICANT(S): Wu et al. DISCLOSURE STATEMENT SERIAL NO.: 10/603,852 FILING DATE: June 25, 2003 GROUP: 2811 U.S. PATENT DOCUMENTS EXAM. DOCUMENT DATE NAME CLASS SUB FILING DATE IF INIT. NUMBER CLASS APPROPRIATE FOREIGN PATENT DOCUMENTS EXAM. DOCUMENT DATE COUNTRY CLASS SUB **FILING** ABSTRACT **ENGLISH** INIT. NUMBER CODE **CLASS** DATE ONLY LANG (Y/N) OTHER ART, JOURNAL ARTICLES, ETC. OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication) EXAM. INIT. Batterman, "Hillocks, Pits, and Etch Rate in Germanium Crystals," Journal of Applied Physics, Vol. 28, No. C43 11 (November, 1957), pp. 1236-1241. Bohg, "Ethylene Diamine-Pyrocatechol-Water Mixture Shows Etching Anomaly in Boron-Doped Silicon," C44 Journal of the Electrochemical Society, Vol. 118, No. 2 (February 1971), pp. 401-402. Desmond et al., "The Effects of Process-Induced Defects on the Chemical Selectivity of Highly Doped C45 Boron Etch Stops in Silicon," Journal of the Electrochemical Society, Vol. 141, No. 1 (January 1994), pp. 178-184. Ehman et al., "Morphology of Etch Pits on Germanium Studied by Optical and Scanning Electron C46 Microscopy," Journal of Applied Physics, Vol. 41, No. 7 (June 1970), pp. 2824-2827. Feijóo et al., "Etch Stop Barriers in Silicon Produced by Ion Implantation of Electrically Non-Active Species," Journal of the Electrochemical Society, Vol. 139, No. 8 (August 1992), pp. 2309-2313. Fitzgerald, "GeSi/Si Nanostructures," Annual Review of Materials Science, Vol. 25 (1995), pp. 417-454. C48 Frank, "Orientation-Dependent Dissolution of Germanium," Journal of Applied Physics, Vol. 31, No. 11 (November 1960), pp.1996-1999.

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